

Cumulative Contents

Regular Section

Regular Papers

- The role of intracellular acidification in calcium mobilization in human neutrophils
R.I. Fonteriz, A. Sanchez, F. Mollinedo, D. Colado-Escobar and J. Garcia-Sancho (Spain) 1
- Increased steroid hormone secretion in mouse Leydig tumor cells after induction of cholesterol translocation by sphingomyelin degradation
M.I. Pörn, J. Tenhunen and J.P. Slotte (Finland) 7
- Intracellular events are responsible for the differential expression of fibronectin on the fibroblast surface during chick embryo development
J. Botti, E. Gouet, M. Aubery and P. Codogno (France) 13
- The uptake of inorganic iron complexes by human melanoma cells
D. Richardson and E. Baker (Australia) 20

Subsection

Regular Papers

- Modulation of human lymphoblastoid B cell line by phorbol ester and sphingosine. A ³¹P-NMR study
A. Miccheli, R. Ricciolini, E. Piccolella, M. Delfini and F. Conti (Italy) 29
- Differing effects of the protein phosphatase inhibitors okadaic acid and microcystin on translation in reticulocyte lysates
N.T. Redpath and C.G. Proud (U.K.) 36
- Calcium reveals different mechanisms of guanylate cyclase activation by atrial natriuretic factor and ATP in rat lung membranes
C.-H. Chang, B. Jiang and J.G. Douglas (U.S.A.) 42
- Leukotriene B₄ level in neutrophils from allergic and healthy subjects stimulated by low concentration of calcium ionophore A23187. Effect of exogenous arachidonic acid and possible endogenous source
B. Chabannes, R. Hosni, P. Molière, M. Croset,

- Y. Pacheco, M. Perrin-Fayolle and M. Lagarde (France)* 47
- Protein kinase C and cyclic AMP modulate thrombin-induced platelet-activating factor synthesis in human endothelial cells
R. Heller, F. Bussolino, D. Ghigo, G. Garbarino, H. Schröder, G. Pescarmona, U. Till and A. Bosia (F.R.G., Italy) 55
- Essential role for polyamine biosynthesis in thyroxine stimulated pancreatic development in neonatal rats
C.-H. Lin, R.-B. Lu, E. Lebenthal, G.D. Luk and P.-C. Lee (U.S.A.) 65
- Ca²⁺ regulation of phosphatidylinositol turnover in the plasma membrane of tobacco suspension culture cells
Y. Kamada and S. Muto (Japan) 72
- Nuclear estradiol binding in rat adipocytes. Regional variations and regulatory influences of hormones
S.B. Pedersen, J.D. Børglum, E.F. Eriksen and B. Richelsen (Denmark) 80
- Erbstatin and tyrphostins block protein-serine kinase activation and meiotic maturation of sea star oocytes
M. Daya-Makin, S.L. Pelech, A. Levitzki and A.T. Hudson (Canada, Israel, U.K.) 87
- Desensitization of the epidermal adenylate cyclase system: agonists and phorbol esters desensitize by independent mechanisms
H. Iizuka, K. Asano, F. Ito, T. Tamura, H. Takahashi and M. Tsutsui (Japan) 95
- Inhibition and stimulation of rat luteal protein phosphorylation by protein kinase effectors
A. Steinschneider, I. Khan and G. Gibori (U.S.A.) 102

Report

- Evidence of a short-term effect of growth hormone on in vivo bone protein synthesis in normal rats
J.A. Martínez, A.S. Del Barrio and J. Larralde (Spain) 111

continued

Regular Section

Regular Papers

- The exposure of murine macrophages to α_2 -macroglobulin 'fast' forms results in the rapid secretion of eicosanoids
R.J. Uhing, C.H. Martenson, D.S. Rubenstein, P.W. Hollenbach and S.V. Pizzo (U.S.A.) 115
- Measurement of bioreduction rates of cells with distinct responses to ionizing radiation and cisplatin
H.J. Halpern, D.R. Jaffe, T.-D. Nguyen, D.J. Haraf, D.P. Spencer, M.K. Bowman, R.R. Weichselbaum and A.M. Diamond (U.S.A.) 121
- Differential effects of fatty acids on glycolysis and glycogen metabolism in vascular smooth muscle
J.T. Barron, S.J. Kopp, J.P. Tow and J.E. Parrillo (U.S.A.) 125
- The GTP-binding Sar1 protein is localized to the early compartment of the yeast secretory pathway
S.-i. Nishikawa and A. Nakano (Japan) 135
- Galactose effects on enterocyte differentiation in the mouse jejunum
M.W. Smith, P.S. James and M.A. Peacock (U.K.) 144
- Cellular daunomycin fluorescence in multidrug resistant 2780^{AD} cells and its relation to cellular drug localisation
J. Lankelma, H.S. Mulder, F. Van Mourik, H.W.W.F. Sang, R. Kraayenhof and R. Van Grondelle (The Netherlands) 147
- Effects of glutathione depletion on the synthesis of proteoglycan and collagen in cultured chondrocytes
O. Habuchi, T. Miyachi, S. Kaigawa, S. Nakashima, C. Fujiwara and M. Hisada (Japan) 153
- Local deformation of human red blood cells in high frequency electric field
G.V. Gass, L.V. Chernomordik and L.B. Margolis (U.S.S.R.) 162

Subsection

Minireview

- Cell cycle control by calcium and calmodulin in *Saccharomyces cerevisiae*
Y. Anraku, Y. Ohya and H. Iida (Japan) 169

Regular Papers

- CD3-dependent increase in cyclic AMP in human T-cells following stimulation of the CD2 receptor
A. Kvanta, M. Jondal and B.B. Fredholm (Sweden) 178
- Molecular species analysis of 1,2-diacylglycerols and phosphatidic acid formed during bombesin stimulation of Swiss 3T3 cells
N. Divecha, D.J. Lander, T.W. Scott and R.F. Irvine (U.K.) 184
- Illumination increases the phosphorylation state of maize leaf phosphoenolpyruvate carboxylase by causing an increase in the activity of a protein kinase
G.A.L. McNaughton, C. MacKintosh, C.A. Fewson, M.B. Wilkins and H.G. Nimmo (U.K.) 189
- Characterization of proteoglycans synthesized by rabbit articular chondrocytes in response to transforming growth factor- β (TGF- β)
F. Redini, M. Daireaux, A. Mauviel, P. Galera, G. Loyau and J.-P. Pujol (France) 196
- Characterization of cytosolic pertussis toxin-sensitive GTP-binding protein in mastocytoma P-815 cells
S. Takahashi, K. Hashida, K. Yatsunami, T. Fukui, M. Negishi, T. Katada, M. Ui, Y. Kanaho, T. Asano and A. Ichikawa (Japan) 207
- Hepatic phosphatidylinositol kinase activity in continuously endotoxemic rats
E.B. Rodriguez de Turco and J.A. Spitzer (U.S.A.) 216
- Effects of iodothyronines on chemotactic peptide-receptor binding and superoxide production of human neutrophils
K. Aoyagi, K. Takeshige and S. Minakami (Japan) 223
- Differential effect of transforming growth factor β on proteoglycan synthesis in human embryonic lung fibroblasts
M. Romaris, A. Heredia, A. Molist and A. Basols (Spain) 229
- The effect of β_2 -adrenoceptor stimulation and blockade of L-type calcium channels on in vivo Na^+/H^+ antiporter activity in rat skeletal muscle
P.D. Syme, F. Brunotte, Y. Green, J.K. Aronson and G.K. Radda (U.K.) 234
- Author index* 241
- Cumulative Contents, Vol. 1093* 245